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FIGURE 1
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SOLUTION MINING

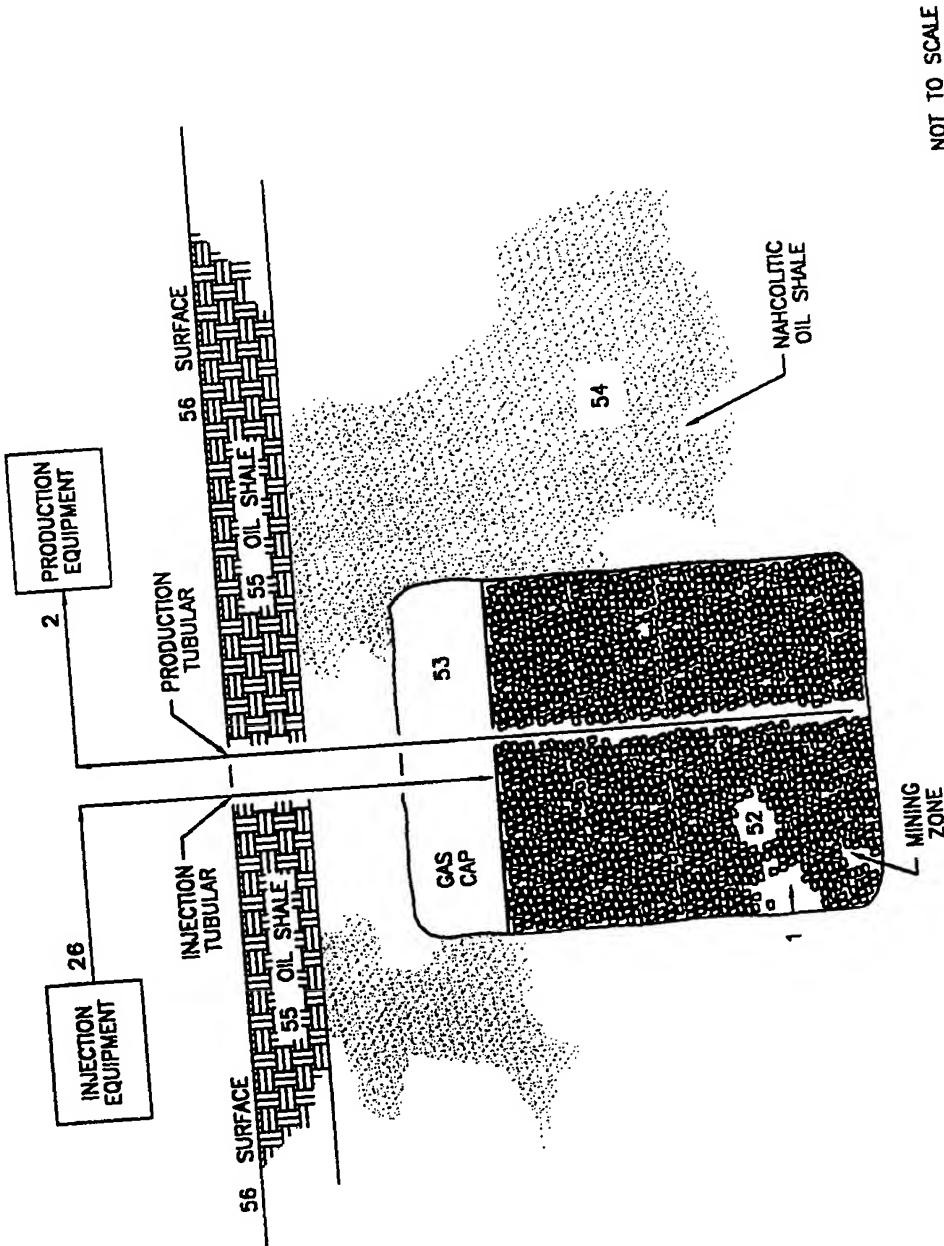
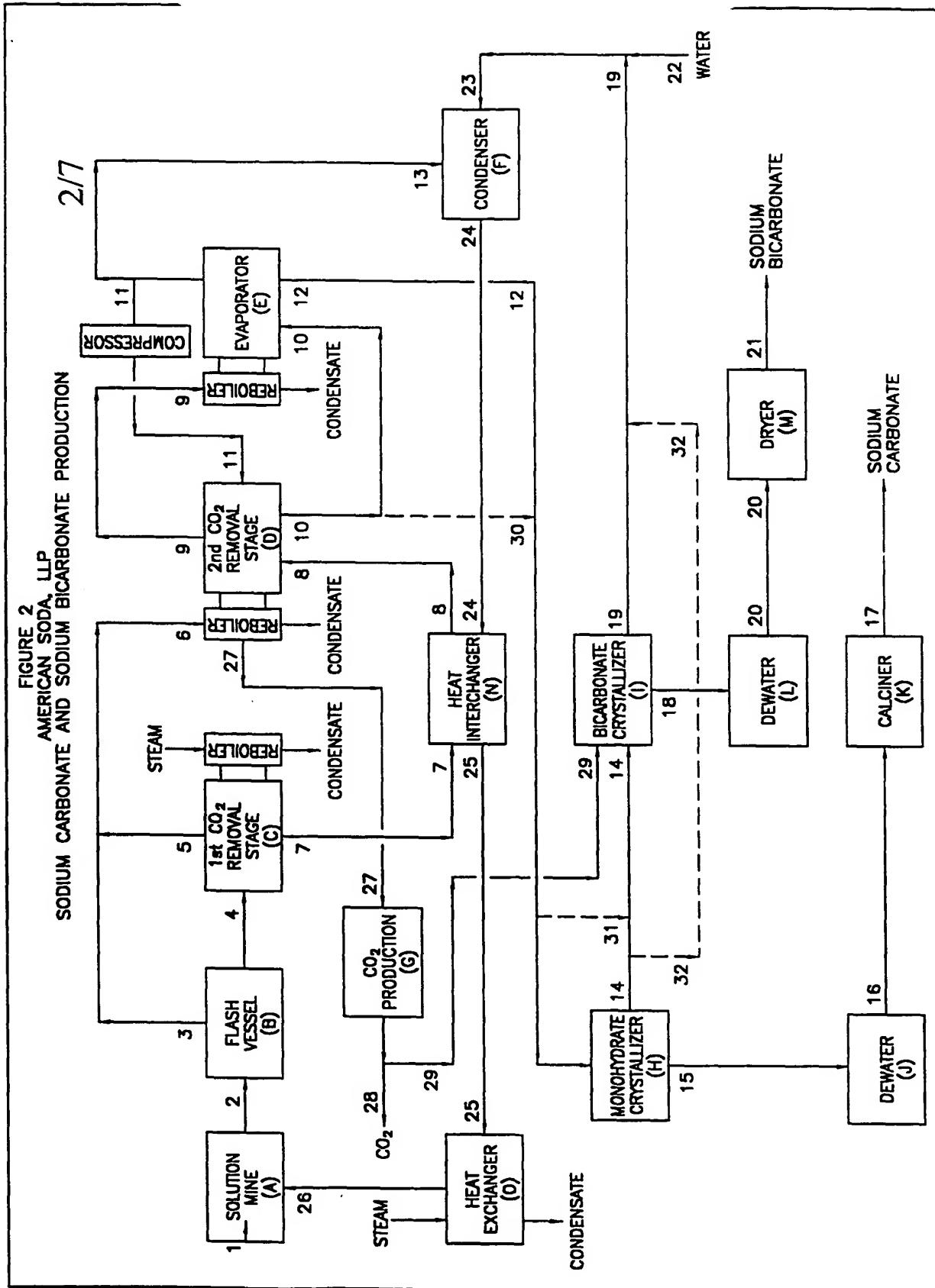


FIGURE 2
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SODIUM CARBONATE AND SODIUM BICARBONATE PRODUCTION



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WELL CROSS SECTIONS

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FIGURE 3A
CROSS SECTION DETAIL A-A'

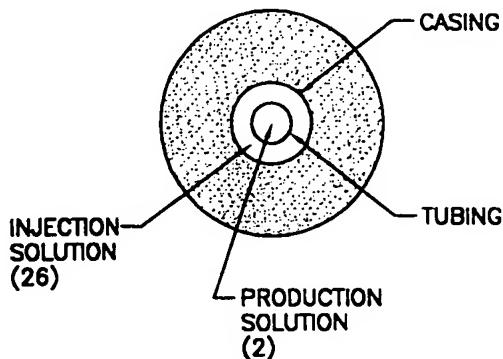


FIGURE 3B
CROSS SECTION DETAIL A-A'

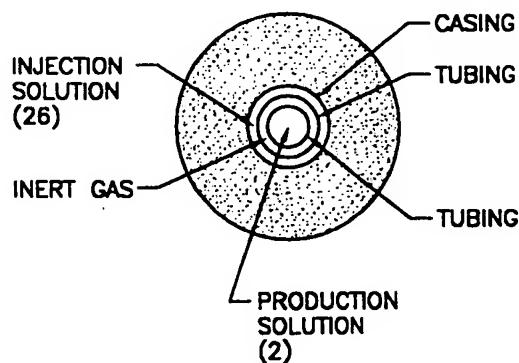


FIGURE 3C
CROSS SECTION DETAIL A-A'

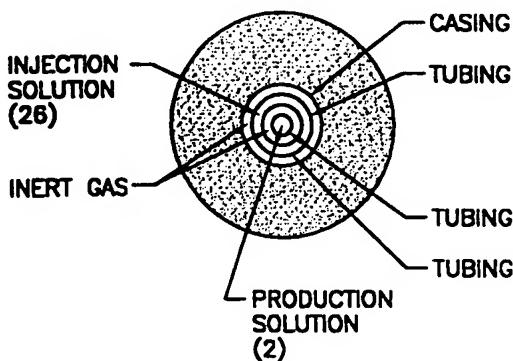
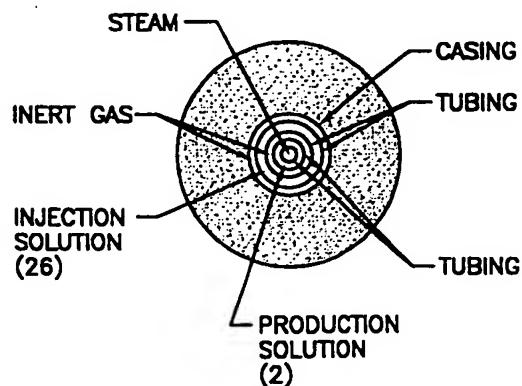


FIGURE 3D
CROSS SECTION DETAIL A-A'



NOTE: SEE FIGURE 3E FOR VERTICAL VIEW

NOT TO SCALE

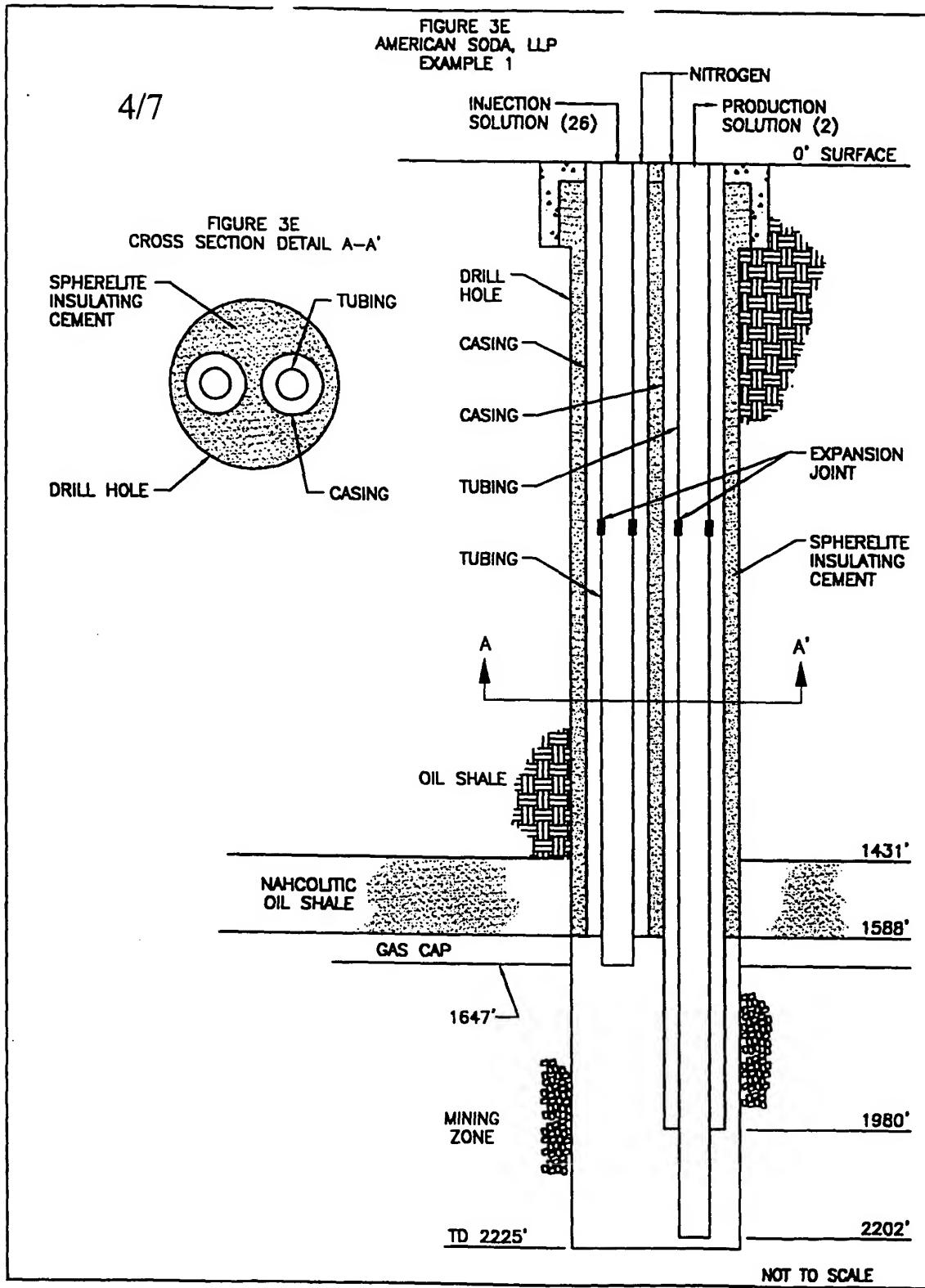


FIGURE 4
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STRENGTH AND STRESS OF NAHCOLITIC OIL SHALE WITH TEMPERATURE

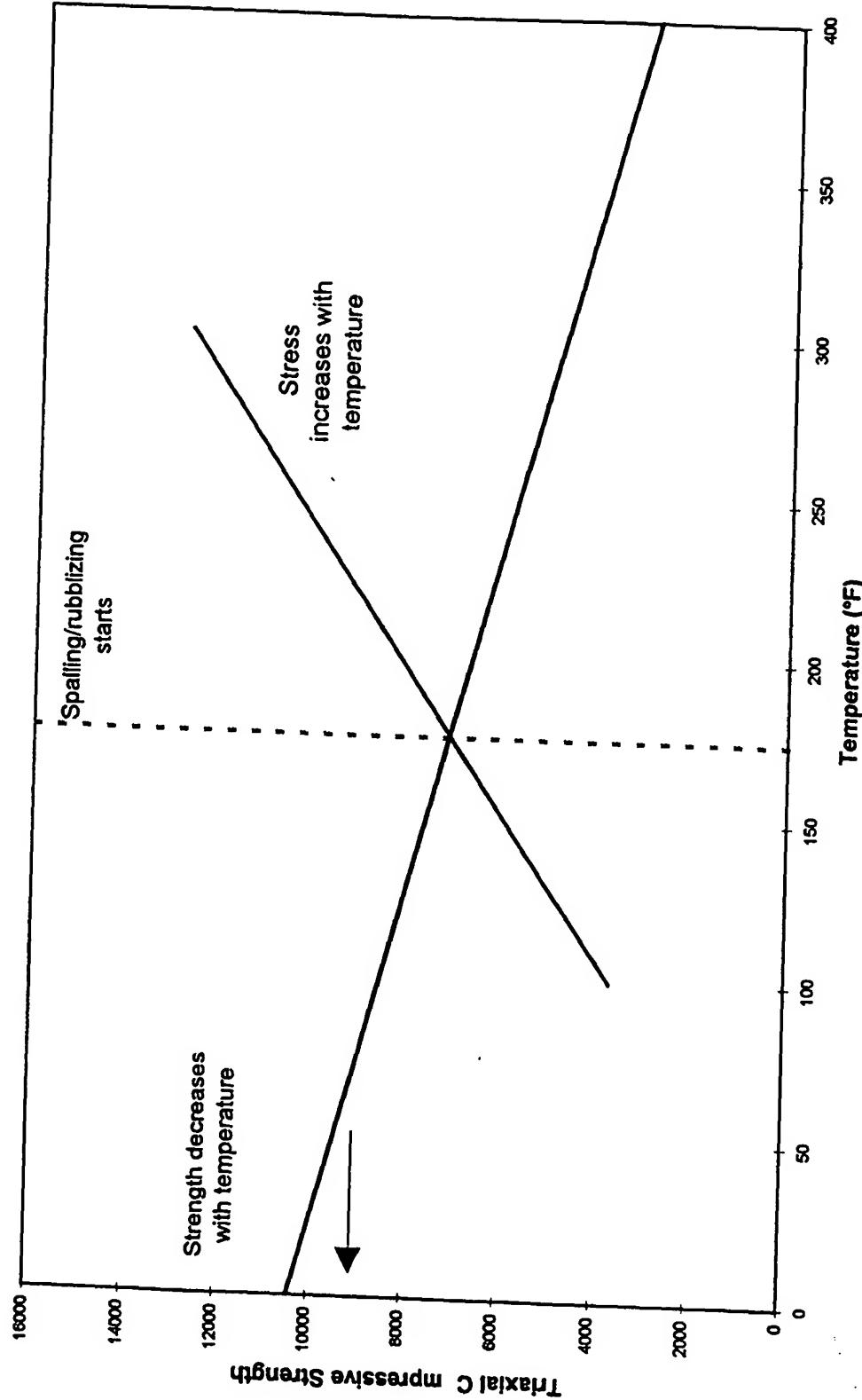


FIGURE 5
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SOLUBILITY OF SODIUM BICARBONATE
versus TEMPERATURE

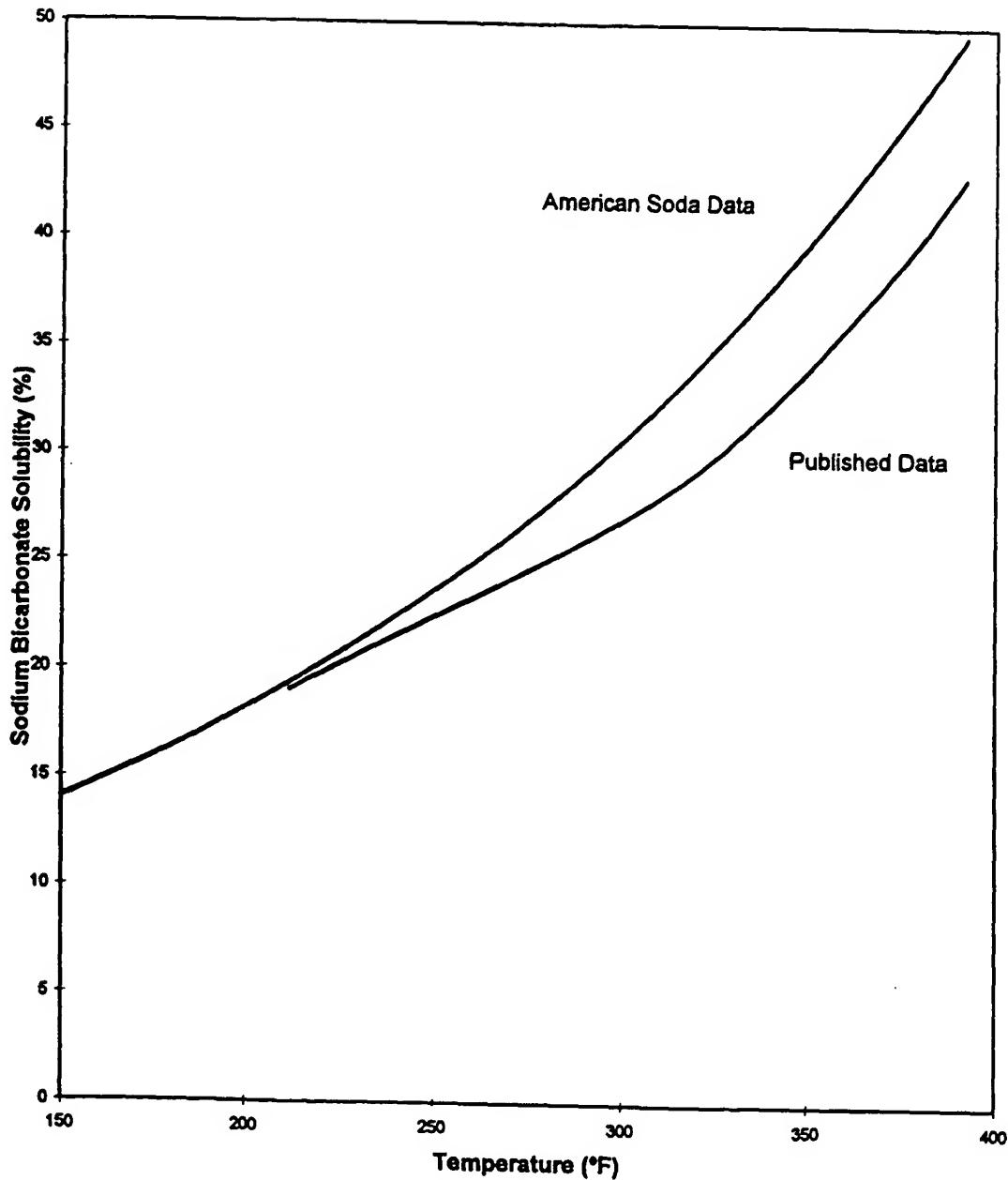


FIGURE 6
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**PRESSURE REQUIRED TO PREVENT DECOMPOSITION OF SATURATED
SODIUM BICARBONATE SOLUTION**

